

Title (en)
INFRARED SENSOR

Title (de)
INFRAROTSENSOR

Title (fr)
CAPTEUR INFRAROUGE

Publication
EP 1378733 B1 20090916 (EN)

Application
EP 01919861 A 20010410

Priority
JP 0103077 W 20010410

Abstract (en)
[origin: EP1378733A1] An infrared sensor of this invention is characterized by including a support member including a support film and a substrate that supports the support film, a polysilicon film which ranges from above a concavity to above the substrate, SiO₂ which is formed on the polysilicon film and has a first junction hole above the concavity and a second junction hole above the substrate, an aluminum film which is connected to the polysilicon film through the first junction hole and connected to an adjacent polysilicon film through the second junction hole, and a heat absorption layer formed above the concavity to cover a portion above the first junction hole, wherein the aluminum film is stacked on the corresponding polysilicon film via the SiO₂ above the concavity. <IMAGE> <IMAGE>

IPC 8 full level
G01J 1/02 (2006.01); **G01J 5/02** (2006.01); **G01J 5/10** (2006.01); **G01J 5/12** (2006.01); **H01L 35/32** (2006.01); **H01L 37/02** (2006.01)

CPC (source: EP KR US)
G01J 5/10 (2013.01 - EP US); **G01J 5/12** (2013.01 - EP US); **H01L 31/101** (2013.01 - KR)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1378733 A1 20040107; **EP 1378733 A4 20070321**; **EP 1378733 B1 20090916**; CN 100462697 C 20090218; CN 1236292 C 20060111; CN 1488070 A 20040407; CN 1758035 A 20060412; DE 60139958 D1 20091029; JP 2001201397 A 20010727; JP 4009046 B2 20071114; KR 100794067 B1 20080110; KR 20030091979 A 20031203; TW I248513 B 20060201; US 2003205670 A1 20031106; US 7282712 B2 20071016; WO 02084235 A1 20021024

DOCDB simple family (application)
EP 01919861 A 20010410; CN 01822193 A 20010410; CN 200510117316 A 20010410; DE 60139958 T 20010410; JP 0103077 W 20010410; JP 2000009420 A 20000118; KR 20037010054 A 20030730; TW 90108589 A 20010409; US 44210903 A 20030521